

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,272	09/15/2003	Lelia Cosimbescu	85025AEK	9023
7590 10/06/2005			EXAMINER	
Paul A. Leipold			GARRETT, DAWN L	
Patent Legal Sta	aff			
Eastman Kodak Company			ART UNIT	PAPER NUMBER
343 State Street			1774	
Rochester, NY 14650-2201			DATE MAILED: 10/06/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Paper No(s)/Mail Date

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Paper No(s)/Mail Date.

6) Other: _

5) Notice of Informal Patent Application (PTO-152)

Application/Control Number: 10/662,272

Page 2

Art Unit: 1774

DETAILED ACTION

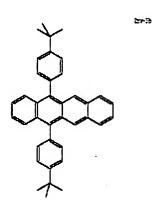
Response to Amendment

1. This Office action is responsive to the amendment and declaration under rule 131 filed August 4, 2005. Claims 1, 12, 16, and 17 have been amended. Claim 2 is canceled. Claims 1 and 3-22 are pending. The species under consideration are the following (see prior Office action):

Host: Aluminum trisoxine alone

First Dopant: Formula 2

Second Dopant: Inv-lb



Applicant has previously indicated claims 1-10, 12, 14, and 17-22 read on the selections. Claims 11, 13, and 15 are withdrawn as non-elected claims. In view of the amendment to claim 16, this claim is now under consideration. The status identifier "withdrawn" should be used to describe withdrawn claims, but has not been used in the amendment dated August 4, 2005.

Application/Control Number: 10/662,272 Page 3

Art Unit: 1774

2. The objection to the drawing set forth in the last Office action (mailed April 6, 2005) is withdrawn in light of applicant's discussion of MPEP 608.02 regarding drawings containing only a single view.

- 3. The amendment to the specification is acknowledged.
- 4. The objection to claim 12 set forth in the last Office action, paragraph 4, is withdrawn due to the amendment.
- 5. The rejection of claim 16 under 35 USC 112, second paragraph, is withdrawn due to the amendment adding the structural formulas of Inv-1a, Inv-6a, and Inv-8a.
- 6. Claims 1, 3-10, 12, 14, and 16-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsujioka et al. (WO 02/100977) (cited by applicant, hereinafter WO '977). WO '977 discloses electroluminescent devices comprising a luminescent layer comprised of a host and two dopants (see abstract). WO '977 discloses Alq as a host material (see page 69, compound 24 and Table on page 104). WO '977 further teaches dopant "DtBuPN", which is the same as applicant's Inv-1b (see page 45, compounds A4 and example 1, Table 1, page 73). Also, coumarin type derivatives are taught as dopants (see pages 71 and 72). Although WO '977 does not appear to set forth an example with all three of Alq3, DtBuPN, and a coumarin derivative, it would have been obvious to one of ordinary skill in the art to have made a device comprising these three components, because WO '977 teaches all of these components for the luminescent layer. The table on page 104 shows the dopants are present in the luminescent layer in amounts of 2% and 5% per instant claims 4 and 5. Furthermore, the teaching of 2% in the example renders obvious 1% as set forth in claim 7, because it one of ordinary skill in the art at the time of the invention would have expected 2% and 1% to render similar results absent evidence

Art Unit: 1774

otherwise. Because WO '977 teaches the same components as set forth in the claims, the emission of the WO '977 OLED is deemed to be within the range of values set forth in the claims.

Response to Arguments

7. Applicant's arguments filed August 4, 2005 have been fully considered but they are not persuasive.

Applicant has submitted a Declaration Under Rule 131 with the intent to show reduction to practice prior to December 19, 2002. The examiner submits that the declaration only shows reduction to practice of one embodiment comprising AlQ₃ host, <u>quinacridone emitter</u> and a naphthacene stabilizer. Applicant has not shown reduction to practice of a device comprising AlQ₃ host, <u>coumarin emitter</u> ("Formula 2"), and a naphthacene stabilizer. It is this combination of host and dopants which was considered and rejected over the WO '977 reference in the last Office action. Accordingly, the rejection over WO '977 is maintained.

With regard to applicant's arguments that "the WO reference appears directed to improving the luminance and luminance efficiency of red and orange color", the examiner submits that no specific color requirements have been specified in claim 1 other than a green emitting material (coumarin derivative) is claimed. The materials disclosed by WO '977 are the same as those required by applicant and the emitting property of each material is considered to be an inherent property.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dawn Garrett whose telephone number is (571)272-1523. The examiner can normally be reached Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached at (571) 272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/662,272 Page 6

Art Unit: 1774

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dawn Garrett
Primary Examiner

Art Unit 1774

September 30, 2005